

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2015**

**Prince Edward Island**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	100	1672	-349	-15.6	-13.5	-0.02	-0.02	100.4	3.08	-1.8	-1.8	-1.7	-1.6	-0.1	100.2	102.2	101.0
2003	86	1625	-392	-18.7	-14.6	-0.04	-0.02	99.4	3.12	-1.4	-1.8	-0.7	-1.6	0.3	99.8	100.9	99.7
2004	54	1616	-555	-21.4	-18.1	0.02	0.01	100.1	3.09	-0.2	-1.6	-0.4	-0.2	1.5	100.1	101.2	99.1
2005	55	1661	-435	-15.7	-14.1	0.03	0.01	99.3	3.05	-0.7	-1.3	-0.8	-0.9	1.0	100.1	101.3	99.3
2006	62	1711	-189	-11.4	-9.7	-0.05	-0.04	100.3	3.11	0.2	-0.1	-0.8	0.2	1.9	99.6	100.3	99.8
2007	64	1803	-234	-6.8	-7.0	0.04	0.01	99.8	3.04	1.8	0.9	-0.1	2.0	2.1	100.4	100.5	99.5
2008	42	1817	-245	-8.5	-5.8	0.02	0.04	99.6	3.08	3.1	2.3	0.8	3.0	3.5	100.1	100.0	98.6
2009	45	1886	-145	-3.9	-2.6	0.03	0.03	99.6	3.04	3.1	2.2	1.4	3.0	2.5	100.8	100.2	99.0
2010	51	1905	-92	-2.9	-3.7	0.01	-0.01	100.4	3.08	3.9	2.7	2.2	3.6	3.1	100.9	100.6	100.4
2011	54	2029	53	5.6	2.5	0.05	0.01	100.0	3.02	5.1	3.8	3.2	4.6	3.7	101.7	100.0	99.3
2012	34	1983	5	0.1	-1.4	-0.00	-0.02	99.6	3.07	5.3	3.7	3.2	4.9	3.9	101.6	101.7	99.8

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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**Nova Scotia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	70	1552	-418	-20.3	-17.7	-0.05	-0.05	100.4	3.07	-2.1	-1.7	-2.5	-2.0	0.4	99.3	100.3	101.0
2003	64	1570	-473	-22.5	-18.0	-0.05	-0.03	100.5	3.09	-1.2	-2.1	-0.9	-0.9	1.1	99.6	99.9	100.2
2004	74	1585	-509	-22.7	-17.0	-0.03	0.00	100.7	3.10	-1.3	-2.2	-1.1	-1.1	0.1	99.9	100.3	101.2
2005	76	1664	-357	-15.2	-14.8	-0.01	-0.04	102.0	3.07	-1.0	-1.1	-0.9	-0.8	0.1	100.1	101.1	101.4
2006	88	1696	-340	-16.0	-12.7	-0.03	-0.02	101.8	3.04	-0.1	-0.7	0.3	-0.3	1.0	100.6	100.6	100.2
2007	71	1733	-330	-14.8	-11.1	-0.02	0.00	101.4	3.08	0.2	-1.0	0.0	0.4	1.2	101.0	100.8	101.4
2008	52	1820	-288	-9.1	-9.7	0.04	0.00	101.5	3.05	2.3	0.9	1.8	1.6	2.8	101.6	101.1	100.8
2009	53	1794	-198	-9.6	-7.6	-0.02	-0.01	101.1	3.03	1.8	1.7	0.8	1.4	1.9	100.7	100.5	100.4
2010	58	1887	-128	-3.0	-4.3	0.03	0.00	102.5	3.01	2.8	1.2	2.1	2.3	2.6	101.6	99.6	100.1
2011	63	1894	-151	-3.3	-5.3	0.04	-0.00	101.8	3.01	2.2	1.2	1.6	2.5	2.2	101.6	101.4	101.9
2012	30	1984	-104	-0.5	-3.7	0.05	-0.00	102.1	2.96	4.2	3.2	2.9	4.2	1.9	103.0	101.3	102.5

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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**Canadian Dairy Network, August 2015**

**New Brunswick**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	110	1600	-301	-18.2	-14.0	-0.08	-0.05	102.2	3.07	-3.3	-2.4	-3.1	-2.9	-0.7	99.3	101.7	100.3
2003	102	1598	-389	-19.9	-16.4	-0.06	-0.04	101.2	3.04	-2.8	-2.5	-1.9	-2.8	-1.0	100.1	101.5	100.4
2004	95	1677	-282	-14.0	-11.4	-0.03	-0.02	101.8	3.05	-1.4	-1.8	-1.4	-1.1	-0.2	100.0	100.5	99.6
2005	109	1621	-460	-19.5	-15.3	-0.01	0.00	102.6	3.01	-2.7	-3.1	-1.5	-2.2	-1.4	100.7	100.8	100.8
2006	122	1728	-242	-11.5	-10.0	-0.02	-0.02	102.1	3.03	-1.0	-1.4	-1.1	-0.6	0.0	100.4	101.1	100.2
2007	146	1757	-274	-8.5	-8.7	0.04	0.01	102.4	3.02	-1.1	-1.8	-1.4	-0.6	0.2	100.6	101.1	100.4
2008	129	1816	-212	-3.5	-5.4	0.07	0.03	101.7	2.98	-0.5	-0.6	-1.0	-0.4	0.6	100.6	101.4	100.6
2009	151	1901	1	1.0	0.5	0.02	0.01	101.8	2.97	0.0	-0.6	0.2	0.2	-0.0	101.2	100.6	100.2
2010	123	1950	-2	3.8	1.8	0.06	0.03	101.8	2.96	1.1	0.3	1.1	1.0	0.6	101.4	100.5	101.0
2011	135	1964	25	2.1	1.1	0.02	0.01	101.5	2.93	2.3	1.1	2.6	1.7	1.0	102.3	99.7	100.5
2012	101	2069	138	9.4	5.9	0.05	0.02	101.7	2.95	3.8	2.5	3.0	3.3	2.6	102.3	100.0	100.1

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

**Provincial genetic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2015**

**Quebec**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	3569	1649	-282	-15.0	-11.8	-0.05	-0.03	100.1	3.08	-2.3	-1.8	-1.9	-2.3	-0.6	99.5	101.3	100.7
2003	3430	1656	-287	-14.9	-12.3	-0.04	-0.03	99.7	3.06	-1.8	-1.9	-1.2	-1.7	-0.7	99.9	100.8	100.2
2004	3422	1683	-241	-12.9	-9.6	-0.04	-0.02	99.7	3.07	-1.3	-1.5	-0.7	-1.4	-0.2	99.7	100.2	100.1
2005	3291	1769	-142	-5.9	-5.5	-0.00	-0.01	100.1	3.05	-0.9	-1.0	-0.7	-1.0	-0.0	100.1	100.4	100.3
2006	3145	1801	-99	-4.9	-4.3	-0.01	-0.01	99.8	3.04	-0.2	-0.3	-0.3	-0.1	0.3	100.2	100.5	99.9
2007	3074	1868	-48	-1.1	-1.4	0.01	0.00	100.2	3.02	0.2	-0.0	-0.4	0.3	0.4	100.7	100.9	100.6
2008	3114	1948	84	3.4	2.6	0.00	-0.00	100.3	2.98	1.1	0.6	1.0	0.9	0.3	101.3	100.6	100.8
2009	3186	1995	130	4.8	4.5	-0.00	0.00	100.0	2.98	1.7	0.6	1.8	1.3	0.4	101.9	100.5	100.7
2010	3149	2079	215	10.1	7.2	0.02	0.00	100.3	2.95	2.6	1.2	2.5	2.2	0.9	102.6	100.6	101.2
2011	2958	2112	220	10.9	7.5	0.03	0.00	99.9	2.95	3.5	1.9	3.5	2.9	1.6	103.1	100.6	101.3
2012	2399	2186	352	17.5	12.3	0.05	0.01	100.6	2.94	4.0	2.8	3.3	3.3	2.1	102.8	100.9	101.1

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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**Canadian Dairy Network, August 2015**

**Ontario**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	769	1640	-281	-15.7	-12.7	-0.06	-0.04	100.6	3.07	-2.4	-2.1	-2.0	-2.3	-0.6	99.7	101.2	101.3
2003	664	1636	-307	-15.7	-13.3	-0.05	-0.04	100.3	3.07	-2.2	-2.1	-1.4	-2.2	-0.6	99.7	100.9	100.6
2004	669	1637	-340	-16.4	-12.9	-0.04	-0.02	99.8	3.09	-1.7	-1.8	-1.0	-1.8	0.0	99.6	100.7	100.4
2005	587	1739	-185	-9.4	-7.7	-0.02	-0.02	100.3	3.06	-1.2	-1.3	-0.6	-1.4	-0.1	100.3	100.7	100.9
2006	561	1757	-148	-8.6	-6.8	-0.04	-0.02	99.7	3.06	-0.6	-1.0	-0.3	-0.6	0.4	100.2	100.5	100.5
2007	535	1810	-70	-4.7	-3.3	-0.03	-0.01	100.0	3.05	-0.4	-0.5	-0.6	-0.4	0.5	100.3	100.7	101.0
2008	555	1891	29	-0.5	0.3	-0.02	-0.01	100.3	3.01	0.5	0.0	0.7	0.3	0.4	101.0	100.5	101.3
2009	571	1910	8	-0.6	-0.2	-0.01	-0.00	100.6	2.99	0.8	-0.1	0.7	0.7	0.5	101.6	100.7	101.0
2010	478	1991	119	4.2	4.4	-0.01	0.01	100.6	2.97	1.4	0.4	1.4	1.2	0.8	102.1	100.5	101.8
2011	430	2015	131	5.6	4.5	0.00	0.00	100.3	2.97	2.2	1.2	2.2	1.8	1.0	102.1	100.7	101.5
2012	362	2108	282	10.8	9.5	-0.01	0.00	100.7	2.97	3.1	1.9	3.0	2.5	1.3	102.4	100.9	102.0

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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**Manitoba**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	38	1590	-417	-17.9	-14.5	-0.02	-0.01	100.0	3.11	-3.0	-2.7	-3.0	-2.3	-0.8	99.2	100.9	101.2
2003	44	1672	-321	-14.0	-12.9	-0.01	-0.03	101.6	3.01	-2.0	-2.9	-2.8	-1.1	-0.7	100.6	101.0	100.7
2004	39	1685	-264	-10.6	-8.8	0.00	0.00	101.3	3.03	-1.6	-1.8	-0.8	-1.6	-1.2	99.6	99.6	99.7
2005	35	1687	-161	-10.3	-6.7	-0.05	-0.02	100.7	3.04	-2.2	-1.8	-1.8	-1.9	-0.6	99.5	99.5	100.3
2006	48	1743	-165	-8.4	-7.2	-0.02	-0.02	100.3	3.03	-1.3	-1.3	-0.6	-1.5	-0.3	100.0	101.0	100.7
2007	22	1792	-130	-4.0	-4.2	0.01	0.00	102.0	3.02	-0.5	-0.4	-1.8	-0.2	1.1	100.0	100.6	101.6
2008	27	1865	-83	-2.3	-3.0	0.02	-0.00	101.0	2.99	1.1	0.0	0.5	1.0	1.2	101.1	100.3	101.1
2009	27	1977	118	5.6	5.0	0.01	0.01	100.2	2.91	0.6	-0.6	0.9	0.4	-1.1	101.9	100.3	101.1
2010	19	1989	57	3.2	2.5	0.01	0.01	100.1	2.93	2.0	-0.3	2.1	2.1	0.9	102.5	100.1	101.1
2011	24	2140	366	15.4	11.0	0.01	-0.02	101.0	2.88	1.8	0.3	1.2	2.1	0.4	103.3	100.8	102.4
2012	14	2099	199	8.9	4.5	0.01	-0.03	101.1	2.91	4.3	2.1	3.3	4.0	1.0	103.6	100.4	101.6

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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**Saskatchewan**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	15	1488	-588	-26.4	-20.6	-0.04	-0.01	101.1	3.12	-2.3	-2.0	-1.8	-2.5	0.2	98.6	101.0	99.0
2003	8	1558	-782	-27.5	-21.9	0.06	0.07	100.5	3.13	-0.5	-1.6	-0.1	-1.4	1.5	99.8	102.1	98.5
2004	1	1511	-1035	-51.0	-31.0	-0.13	0.06	103.0	3.16	0.0	-2.0	3.0	-2.0	2.0	101.0	107.0	101.0
2005	2	1440	-879	-48.0	-30.5	-0.19	-0.02	100.0	3.08	0.5	-1.5	3.0	-2.0	3.0	101.0	102.0	99.5
2007	1	1669	-371	-12.0	-21.0	0.03	-0.12	107.0	2.86	2.0	3.0	0.0	1.0	2.0	101.0	100.0	101.0
2008	5	1656	-290	-18.8	-13.8	-0.10	-0.05	103.4	3.03	-3.4	-3.6	-0.4	-4.6	-2.0	100.4	104.0	99.8

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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**Alberta**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	50	1419	-652	-30.2	-25.4	-0.06	-0.05	102.8	3.09	-5.4	-4.6	-3.8	-5.4	-1.6	99.0	102.6	99.8
2003	50	1401	-748	-37.9	-28.6	-0.11	-0.04	102.5	3.10	-4.0	-4.3	-3.2	-3.6	-1.3	99.6	102.7	99.9
2004	57	1574	-556	-25.4	-19.4	-0.04	-0.01	101.9	3.03	-1.8	-2.4	-1.8	-1.8	-0.0	100.5	101.6	99.8
2005	41	1589	-413	-24.4	-18.3	-0.11	-0.06	103.7	3.00	-2.1	-2.7	-1.3	-2.0	-1.6	100.7	101.5	99.9
2006	47	1637	-495	-17.4	-14.6	0.04	0.03	102.5	3.05	-1.8	-2.3	-1.6	-1.8	-0.2	100.1	101.5	99.5
2007	44	1634	-341	-18.2	-14.3	-0.06	-0.03	100.9	3.06	-1.8	-1.7	-1.6	-1.4	-0.0	99.5	102.1	100.4
2008	36	1575	-474	-24.1	-18.7	-0.07	-0.03	102.7	3.01	-1.5	-1.8	-0.9	-1.3	-0.8	100.4	100.3	99.8
2009	32	1852	-86	-2.7	-2.8	0.01	0.00	101.9	2.99	-0.3	-0.7	-0.2	-0.4	0.2	101.1	101.4	101.4
2010	36	1890	-60	-3.9	-1.3	-0.02	0.01	101.2	2.98	0.8	-0.5	1.0	0.4	0.7	101.8	100.9	100.6
2011	46	1689	-389	-19.4	-15.1	-0.05	-0.03	102.4	3.00	0.4	-1.0	0.5	0.1	1.2	101.8	100.7	101.4
2012	25	1877	-171	-5.4	-5.5	0.02	0.01	103.3	2.94	0.8	-0.2	0.6	0.8	-0.2	102.4	102.1	100.6

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.



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**British Columbia**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	93	1621	-266	-19.0	-13.2	-0.11	-0.06	102.3	3.06	-3.5	-2.8	-2.7	-3.5	-1.9	99.6	102.9	101.3
2003	91	1625	-391	-22.6	-15.3	-0.09	-0.03	101.9	3.03	-2.7	-3.0	-1.7	-2.7	-2.1	100.6	102.5	101.4
2004	73	1647	-285	-18.6	-14.1	-0.09	-0.06	102.7	3.06	-2.5	-2.3	-1.8	-2.5	-0.7	100.2	102.3	101.5
2005	67	1659	-268	-13.8	-12.6	-0.04	-0.05	103.2	3.02	-2.5	-1.9	-1.5	-3.2	-0.6	99.6	102.0	99.8
2006	57	1725	-221	-12.2	-9.7	-0.04	-0.03	102.6	3.01	-1.6	-1.7	-1.3	-1.7	-0.6	100.1	102.3	99.7
2007	65	1804	-96	-7.1	-4.3	-0.04	-0.01	101.4	3.03	-1.1	-0.8	-1.2	-1.5	-0.4	100.5	102.2	100.7
2008	70	1885	45	0.3	-0.0	-0.02	-0.02	102.6	2.98	-0.8	-0.4	-0.3	-1.2	0.0	100.8	101.7	102.1
2009	90	1842	-85	-4.4	-2.9	-0.01	0.00	101.9	3.00	0.3	-0.5	0.9	0.1	-0.3	100.6	100.6	100.4
2010	70	1933	63	1.6	-0.0	-0.01	-0.03	101.9	2.99	1.2	0.5	1.1	0.7	0.5	101.2	101.5	101.7
2011	61	2016	175	7.8	4.8	0.01	-0.01	101.3	2.99	2.0	1.3	1.6	1.7	1.8	101.5	100.9	100.6
2012	69	2006	137	5.9	1.1	0.01	-0.05	102.0	2.95	2.9	1.5	1.8	2.9	1.8	102.3	100.5	100.4

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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**Newfoundland**

Year	Cows	LPI	Milk	Fat	Protein	Fat%	Protein%	Pers	SCS	Conf	DS	F&L	MS	Rump	HL	DF	DCA
2002	1	1591	44	3.0	8.0	0.02	0.09	104.0	2.94	-3.0	-1.0	0.0	-4.0	-5.0	96.0	88.0	93.0
2008	1	1820	126	9.0	5.0	0.05	0.00	103.0	2.92	0.0	1.0	0.0	-1.0	0.0	98.0	96.0	95.0

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.